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SEQUENCE LISTING

<110> EVOTEC NEUROSCIENCES

<120> DIAGNOSTIC AND THERAPEUTIC USE OF MAL2 GENE AND PROTEIN
FOR NEURODEGENERATIVE DISEASES

<130> 043323wo Me/FM

<140> PCT/EP2005/050850

<141> 2005-02-28

<150> US 60/549,147

<151> 2004-03-03

<160> 16

<170> PatentIn Ver. 2.1

<210> 1

<211> 176

<212> PRT

<213> Homo sapiens

<400> 1

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<210> 2
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:nucleotide
sequence of the human MAL2 cDNA

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<210> 3
<211> 270
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:nucleotide
sequence of the 270 bp MAL2 cDNA fragment

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cagttgaaca aaaattatgg catttaagaa tttaacatgt cttagctgta aaaatgagaa 180
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<210> 4
<211> 531
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:coding sequence
of the human MAL2 gene

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<400> 4
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<210> 5
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
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<400> 5

acctgtagag atcctcgtca tgg 23

<210> 6
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
human MAL2 gene

<400> 6
tggcctcact cttacttgtc ctt 23

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
human cyclophilin B gene

<400> 7
actgaagcac tacgggcctg 20

<210> 8
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
human cyclophilin B gene

<400> 8
agccgttggt gtctttgcc 19

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
human ribosomal protein S9 gene

<400> 9
ggtcaaattt accctggcca 20

<210> 10

<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
human ribosomal protein S9 gene

<400> 10
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<210> 11
<211> 19
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<220>
<223> Description of Artificial Sequence:primer for the
human beta-actin gene

<400> 11
tggaacgggtg aaggtgaca 19

<210> 12
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
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<400> 12
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<210> 13
<211> 20
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<223> Description of Artificial Sequence:primer for the
human GAPDH gene

<400> 13
cgtcatgggt gtgaaccatg 20

<210> 14
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer for the
human GAPDH gene

<400> 14

gctaagcagt tggtaggtgca g

21

<210> 15

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:primer for the
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21

<210> 16

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer for the
human transferrin receptor TRR gene

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23